

Title (en)

Circuit for implementing a digital Nyquist filtering of signals with intermediate frequency

Title (de)

Schaltung zur digitalen Nyquistfilterung von Zwischenfrequenzsignalen

Title (fr)

Circuit pour réaliser un filtrage de Nyquist numérique de signaux à fréquence intermédiaire FI

Publication

EP 0781040 B1 20010606 (FR)

Application

EP 96402776 A 19961218

Priority

FR 9515401 A 19951222

Abstract (en)

[origin: EP0781040A1] The circuit includes an analogue pre-filter which selects the channel required, an A/D converter and a Nyquist filter (N). The Nyquist filter consists of two IIR filters (15,16) which are connected in series. One of the IIR filters (16) has a non-causal transfer function, with a spectrum which is the conjugate of the other IIR filter (15) which has a causal transfer function. The filters are connected with an FIR filter (17) which corrects the IIR filter outputs.

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